



Sheet 1 of 11

**Form PTO-1449 Modified**

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
Patent and Trademark Office

Docket No.  
CRNT-0011

Serial No.  
09/924,730

Applicant  
**Paul A. Kline**

Filing Date  
**August 8, 2001**

Group  
**2635 2632**

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
DP	1	3,702,460	11/07/72	Blose	340	150
DP	2	3,810,096	05/07/74	Kabat et al.	340	147 R
DP	3	3,962,547	06/08/76	Pattantyus-Abraham	179	2.5 R
DP	4	3,964,048	06/15/76	Lusk et al.	340	310 R
DP	5	3,973,240	08/03/76	Fong	340	151
DP	6	4,004,110	01/18/77	Whyte	179	170 J
DP	7	4,016,429	04/05/77	Vercellotti et al.	307	149
DP	8	4,057,793	11/08/77	Johnson et al.	340	310 R
DP	9	4,060,735	11/29/77	Pascucci et al.	307	3
DP	10	4,188,619	02/12/80	Perkins	340	310 R
DP	11	4,239,940	12/16/80	Dorfman	179	2.51
DP	12	4,254,402	03/03/81	Perkins	340	310 R
DP	13	4,323,882	04/06/82	Gajjer	340	310 R
DP	14	4,357,598	11/02/82	Melvin, Jr.	340	310 A
DP	15	4,408,186	10/04/83	Howell	340	310 A
DP	16	4,442,492	04/10/84	Karlsson et al.	364	464

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 <b>Form PTO-1449 Modified</b> <b>FEB 13 2003</b> <b>Patent and Publications</b> <b>Cited by Applicant</b> <b>(Use several sheets if necessary)</b>	Docket No. <b>CRNT-0011</b>	Serial No. <b>09/924,730</b>
	<b>Applicant</b> <b>Paul A. Kline</b>	
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**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
DP	17	4,457,014	06/26/84	Bloy	381	98
DP	18	4,569,045	02/04/86	Schieble et al.	370	85
DP	19	4,686,382	08/11/87	Shuey	307	149
DP	20	4,745,391	05/17/88	Gajjar	340	310 A
DP	21	4,746,897	05/24/88	Shuey	340	310 R
DP	22	4,766,414	08/23/88	Shuey	340	310 A
DP	23	4,800,363	01/24/89	Braun et al.	340	310 A
DP	24	4,903,006	02/02/90	Boomgaard	340	310 A
DP	25	4,973,940	11/27/90	Sakai et al.	340	310 R
DP	26	5,185,591	02/09/93	Shuey	340	310 A
DP	27	5,257,006	10/26/93	Graham et al.	340	310A
DP	28	5,301,208	04/05/94	Rhodes	375	36
DP	29	5,369,356	11/29/94	Kinney et al.	324	142
DP	30	5,406,249	04/11/95	Pettus	340	310.06
DP	31	5,497,142	03/05/96	Chaffanjon	340	310.06
DP	32	5,498,956	03/12/96	Kinney et al.	324	142
DP	33	5,559,377	09/24/96	Abraham	307	104
DP	34	5,579,221	11/26/96	Mun	364	188
DP	35	5,592,482	01/07/97	Abraham	348	8

EXAMINER <i>Daniel Freul</i>	DATE CONSIDERED <i>5-6-03</i>
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DP	36	5,705,974	01/06/98	Patel et al.	340	310.08
DP	37	5,712,614	01/27/98	Patel et al.	340	310.03
DP	38	5,726,980	03/10/98	Rickard	370	293
DP	39	5,777,545	07/07/98	Patel et al.	341	310.06
DP	40	5,796,607	08/18/98	Le Van Suu	364	140.01
DP	41	5,805,053	09/08/98	Patel et al.	340	310.01
DP	42	5,828,293	10/27/98	Rickard	340	310.04
DP	43	5,835,005	11/10/98	Furukawa et al.	340	310.01
DP	44	5,856,776	01/05/99	Armstrong et al.	340	310.01
DP	45	5,892,430	04/06/99	Wiesman et al.	340	310.01
DP	46	5,933,071	08/03/99	Brown	340	310.01
DP	47	5,933,073	08/03/99	Shuey	340	310.07
DP	48	5,978,371	11/02/99	Mason, Jr. et al.	370	389
DP	49	5,982,276	11/09/99	Stewart	340	310.01
DP	50	6,023,106	02/08/00	Abraham	307	3
DP	51	6,091,932	07/18/00	Langlais	455	5.1
DP	52	6,104,707	08/15/00	Abraham	370	295
DP	53	6,144,292	11/07/00	Brown	340	310.02
DP	54	6,151,330	11/21/00	Liberman	370	449
DP	55	6,157,292	12/05/00	Piercy et al.	340	310.01
DP	56	6,172,597 B1	01/09/01	Brown	340	310.02

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Examiner Initial		Document No.	Date	Name	Class	Subclass
DP	57	6,177,849 B1	01/23/01	Barsellotti et al.	333	177
DP	58	6,212,658 B1	04/03/01	Le Van Suu	714	749
DP	59	6,297,730 B1	10/02/01	Dickinson	340	310.01
DP	60	6,317,031 B1	11/13/01	Rickard	340	310.03
DP	61	6,331,814 B1	12/18/01	Albano et al.	340	310.01
DP	62	6,373,376 B1	04/16/02	Adams et al.	340	310.01
DP	63	6,396,392 B1	05/28/02	Abraham	340	310.01
DP	64	6,404,773 B1	06/11/02	Williams et al.	370	463
DP	65	6,407,987 B1	06/18/02	Abraham	370	295
DP	66	6,414,578 B1	07/02/02	Jitaru	336	170
DP	67	6,425,852 B1	07/30/02	Epstein	600	13
DP	68	6,452,482 B1	09/17/02	Cern	340	310.01
DP	69	6,486,747 B1	11/26/02	DeCramer et al.	333	25
DP	70	6,496,104 B2	12/17/02	Kline	340	310.01
DP	71	6,504,357 B1	01/07/03	Hemminger et al.	324	142
	72	2001/0038329-A1	11/08/01	Diamanti et al.	340	310.01

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			<b>U. S. PATENT DOCUMENTS</b>			
Examiner Initial		Document No.	Date	Name	Class	Subclass
	73	2001/0054953 A1	12/27/01	Kline	340	310.01
	74	2001/0052843 A1	12/20/01	Wiesman et al.	340	310.01
	75	2001/0038343 A1	11/08/01	Meyer et al.	340	870.02
	76	2002/0010870 A1	01/24/02	Gardner	713	300
	77	2002/0014884 A1	02/07/02	Chung	324	74
	78	2002/0041228 A1	04/11/02	Zhang	340	310.01
	79	2002/0060624 A1	05/23/02	Zhang	340	310.01
	80	2002/0071452 A1	06/13/02	Abraham	370	480
	81	2002/0080010 A1	06/27/02	Zhang	340	310.06
	82	2002/0095662 A1	07/18/02	Ashlock et al.	717	136
	83	2002/0098867 A1	07/25/02	Meiksin et al.	455	560
	84	2002/0105413 A1	08/08/02	Cern	340	310.01
	85	S.N. 09/835,532	04/16/01	Kline		
	86	S.N. 09/915,459	07/26/01	Kline		
	87	S.N. 10/075,332	02/14/02	Kline		
	88	S.N. 10/293,799	11/13/02	Huebner		
	89	S.N. 10/292,745	11/12/02	Cope et al.		
<b>EXAMINER</b> <i>[Signature]</i>				<b>DATE CONSIDERED</b> <i>[Signature]</i>		



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<b>U. S. PATENT DOCUMENTS</b>						
Examiner Initial		Document No.	Date	Name	Class	Subclass
	90	S.N. 10/292,714	11/12/02	Cope		
	91	S.N. 10/315,725	12/10/02	Cope et al.		
	92	S.N. 10/319,317	12/13/02	Mollenkopf et al.		

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<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initial		Document No.	Date	Country	Translation YES      NO
DP	93	0 470 185 B1	11/29/95	EP	
DP	94	0 581 351 A1	02/02/94	EP	
DP	95	0 913 955 A2	05/06/99	EP	X abstract
DP	96	0 916 194 B1	09/26/01	EP	
DP	97	0 948 143 A2	10/06/99	EP	X abstract
DP	98	0 959 569 A1	11/24/99	EP	X abstract
DP	99	1 011 235 A2	06/21/00	EP	
DP	100	1 011 235 A3	05/02/02	EP	
DP	101	1 014 640 A2	06/28/00	EP	
DP	102	1 014 640 A3	07/03/02	EP	
DP	103	1 021 866 B1	10/23/02	EP	
DP	104	2 293 950 A	04/10/96	GB	
DP	105	2 315 937 A	02/11/98	GB	
DP	106	2 331 683 A	05/26/99	GB	
DP	107	2 342 264 A	04/05/00	GB	
DP	108	2 347 601 A	09/06/00	GB	

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**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
D/P	109	1276933	11/07/89	JP		
D/P	110	98/40980 A1	09/17/98	WO		
D/P	111	00/59076 A1	10/05/00	WO		
D/P	112	00/60701 A1	10/12/00	WO		
D/P	113	01/08321 A1	02/01/01	WO	X abstract	
D/P	114	01/43305 A1	06/14/01	WO	X abstract	
D/P	115	01/82497 A1	11/01/01	WO		
D/P	116	02/054605 A1	07/11/02	WO		

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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
DP	117	Power Line Communications Conference entitled, "PLC, A New Competitor in Broadband Internet Access," <b>December 11-12, 2001</b> , Washington, D.C., 60 pages	
DP	118	Rivkin, S. R., "Co-Evolution of Electric & Telecommunications Networks," <i>The Electricity Journal</i> , <b>May 1998</b> , 71-76	
DP	119	Marketing Assessment Presentation entitled "Powerline Telecommunications," prepared by The Shpigler Group for CITI PLT, <b>July 16, 2002</b> , 9 pages	
DP	120	Campbell, C., presentation entitled "Building a Business Case for PLC: Lessons Learned From the Communication Industry Trenches," KPMG Consulting, <b>July 16, 2002</b> , 5 pages	
DP	121	"Embedded Power Line Carrier Modem," Archnet Electronic Technology, <a href="http://www.archnetco.com/english/product/ATL90.htm">http://www.archnetco.com/english/product/ATL90.htm</a> , <b>2001</b> , 3 pages	
DP	122	"Archnet: Automatic Meter Reading System Power Line Carrier Communication", <a href="http://www.archnetco.com/english/product/product_sl.htm">www.archnetco.com/english/product/product_sl.htm</a> , 3 pages	
DP	123	"Power Line Communications Solutions", <a href="http://www.echelon.com/products/oem/transceivers/powerline/default.htm">www.echelon.com/products/oem/transceivers/powerline/default.htm</a> , 2 pages	
DP	124	"Texas Instruments: System Block Diagrams; Power Line Communication (Generic)", <a href="http://focus.ti.com/docs/apps/catalog/resources/blockdiagram.jhtml?bdId=638">http://focus.ti.com/docs/apps/catalog/resources/blockdiagram.jhtml?bdId=638</a> , 1 page	
DP	125	Feduschak, N.A., "Waiting in the Wings: Is Powerline Technology Ready to Compete with Cable?", <b>March 2001</b> , <a href="http://www.cabletoday.com/ic2/archives/0301/0301powerline.htm">www.cabletoday.com/ic2/archives/0301/0301powerline.htm</a> , 5 pages	
DP	126	"Signalling on Low-Voltage Electrical Installations in the Frequency Band 3kHz to 148.5kHz-Part 4: Filters at the Interface of the Indoor and Outdoor Electricity Network", <i>CLC SC 105A (Secretariat)</i> <b>May 1992</b> , 62, 1-11	
DP	127	"Intellon Corporation Test Summary for Transformerless Coupler Study", <i>Intellon No News Wires</i> , <b>December 24, 1998</b> , DOT/NHTSA Order No. DTNH22-98-P-07632, pp 1-18	

<b>EXAMINER</b> <i>Ronel Preil</i>	<b>DATE CONSIDERED</b> <i>5-6-03</i>
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
DP	128	EMETCON Automated Distribution System, ABB Power T & D Company, Inc., January 1990, Raleigh, North Carolina, No B-919A, 14 pages	
DP	129	"Dedicated Passive Backbone for Power Line Communications", <i>IBM Technical Disclosure Bulletin</i> , July 1997, 40(7), 183-185	
DP	130	Coaxial Feeder Cables [Engineering Notes]", <i>PYE Telecommunications Limited Publication Ref No. TSP507/1</i> , June 1975, Cambridge, England, 15 pages	
DP	131	"Centralized Commercial Building Applications with the Lonworks ® PLT-21 Power Line Transceiver", <i>Lonworks Engineering Bulletin</i> , Echelon, April 1997, pp 1-22	
DP	132	"Plexeon Logistics, Inc., "Power Line Communications", <a href="http://www.plexeon.com/power.html">www.plexeon.com/power.html</a> , 2 pages	
DP	133	"EMETCON Automated Distribution System: Communications Guide", <i>Westinghouse ABB Power T &amp; D Company Technical Manual 42-6001A</i> , September 1989, 55 pages	
DP	134	Abraham, K.C. et al., "A Novel High-Speed PLC Communication Modem", <i>IEEE Transactions on Power Delivery</i> , 1992, 7(4), 1760-1768	
DP	135	J.M. Barstow., "A Carrier Telephone System for Rural Service", <i>AIEE Transactions</i> , 1947, 66, 301-307	
DP	136	Chang, S.S.L., "Power-Line Carrier", <i>Fundamentals Handbook of Electrical and Computer Engineering</i> , Volume II-Communication, Control, Devices and Systems, John Wiley & Sons, 617-627	
DP	137	Chen, Y-F. et al. "Baseband Transceiver Design of a 128-Kbps Power-Line Modem for Household Applications", <i>IEEE Transactions on Power Delivery</i> , 2002, 17(2), 338-344	
DP	138	Coakley, N.G. et al., "Real-Time Control of a Servosystem Using the Inverter-Fed Power Lines to Communicate Sensor Feedback", <i>IEEE Transactions on Industrial Electronics</i> , 1999, 46(2), 360-369	
DP	139	Esmailian, T. et al., "A Discrete Multitone Power Line Communication System", <i>Department of Electrical and Computer Engineering</i> , University of Toronto, Ontario Canada, 2000 IEEE, pp 2953-2956	

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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

PP	140	Kawamura, A. et al., "Autonomous Decentralized Manufacturing System Using High-speed Network with Inductive Transmission of Data and Power", <i>IEEE</i> , 1996, 940-945
PP	141	Kilbourne, B. "EEI Electric Perspectives: The Final Connection", <a href="http://www.eei.org/ep/editorial/Jul-01/0701conenct.htm">www.eei.org/ep/editorial/Jul-01/0701conenct.htm</a> , 7 pages
PP	142	Kim, W-O., et al., "A Control Network Architecture Based on EIA-709.1 Protocol for Power Line Data Communications", <i>IEEE Transactions on Consumer Electronics</i> , 2002, 48(3), 650-655
PP	143	Lim, C.K. et al., "Development of a Test Bed for High-Speed Power Line Communications", School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore, <i>IEEE</i> , 2000, 451-456
PP	144	Lokken, G. et al., "The Proposed Wisconsin electric Power Company Load Management System Using Power Line Carrier Over Distribution Lines", <i>1976 National Telecommunications Conference, IEEE</i> , 1976, 2.2-12.2-3
PP	145	Marthe, E. et al., "Indoor Radiated Emission Associated with Power Line Communication Systems", <i>Swiss Federal Institute of Technology Power Systems Laboratory IEEE</i> , 2001, 517-520
PP	146	Naredo, J.L. et al., "Design of Power Line Carrier Systems on Multitransposed Delta Transmission Lines", <i>IEEE Transactions on Power Delivery</i> , 1991, 6(3), 952-958
PP	147	Nichols, K., "Build a Pair of Line-Carrier Modems", <i>CRC Electronics-Radio Electronics</i> , 1988, 87-91
PP	148	Okazaki, H. et al., "A Transmitting, and Receiving Method for CDMA Communications Over Indoor Electrical Power Lines", <i>IEEE</i> , 1998, pp VI-522-VI-528
PP	149	B. Don Russell, "Communication Alternatives for Distribution Metering and Load Management", <i>IEEE Transactions on Power Apparatus and Systems</i> , 1980, Vol PAS-99(4), pp 1448-1455
PP	150	Sado, WN. et al., "Personal Communication on Residential Power Lines- Assessment of Channel Parameters", <i>IEEE</i> , 532-537
PP	151	International Search Report dated August 7, 2002, from PCT/US02/04300

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*Daniel R. Heid*

DATE CONSIDERED

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